METHOD AND DATABASE STRUCTURE FOR MANAGING TECHNOLOGY FILES FOR SEMICONDUCTOR MANUFACTURING OPERATIONS

ABSTRACT

[0029]   A method and database structure are disclosed for generating a set of technology files for fabricating semiconductor devices using a first technology using a repository of technology files. The technology files help to implement fabrication processes. First, a first set of virtual technology files are created pertaining to the first technology, then a second set of virtual technology files pertaining to a second technology are identified. The second set of virtual technology files are linked to a predetermined set of actual files in the repository. If it is determined that the first and the second technologies are similar to each other, one or more links of the second set of virtual technology files are copied to generate corresponding links for a first subset of virtual technology files of the first set if the first and second technologies allow the corresponding actual files to be shared.

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